

## Vidya Jyothi Institute of Technology (An Autonomous Institution) (Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziznagar Gate, C.B. Post, Hyderabad-500 075

#### INTERNAL ACADEMIC AUDIT

(2019 - 20)

of the Department		
	EEE	
of Establishment		
s of Programmes offered (Mention with Int		
Jumber of Teachors	Irtake:12	-0
runiber of reactiers		
Designation	Existing	
Professor	5	
Associate Professors	8	
	19	
aching Experience of the Faculty in the Inst	titute	
Tenure	No. of Teachers	
	17	A 102 A 1
	9	
	2	
	4	
Below I Year	0	
· · ·		
nt Teacher Katio		1:12:85
per of faculty having Ph.D		5
e -	Professor Associate Professors Asst. Professors Others  Eaching Experience of the Faculty in the Instead	Professor  Associate Professors  Asst. Professors  Others  Paching Experience of the Faculty in the Institute  Tenure  More than 5 Years  Between 2 to 3 Years  Between 1 to 2 Tears  Below 1 Year  Professor Associate Professors  Professors  Asst. Professors  Professors  No. of Teachers  Professors  Profeso

6.	b). Number of c). Research G	d for Research/Fl IN THE CURRENT Research Grants Faculty Develop Grants received: velopment Grants	ACADEMIC YE only: ment Grants:	Vorkshops etc AR		
	Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals	Name of the Faculty	Purpose of the Grant Research/ FDP/ STTP/ Workshop	Funds/Grants received (INR in lakhs)	(National
15.0	AICTE	Govtagency	D& C.N. Ray	i STTP	2.71	Nation
	3-13.73.10					
	II. ONGOING PROJECTS					
	-				_	
7.	Special research laborate by industry or corporate	bodies	by / created			
8.	Publications (List is to be	e attached)				
	Number of Papers publis	shed in Journals				24
	Number of Papers publis	shed in Book Cha	pters/Confer	ences		8
	Number of Books with IS	SBN				0
	Average Citation Index					6
	Average Impact Factor h-index					0
9.						2
	Details of patents  Name of the Faculty	Тог		T 01		
	2 CI   Paculty	Тој	р <b>іс</b>	Obtained Published Filed		duct
				_		

10.	Areas of consultancy and income generat	ed		
	Areas of consulta	ncy	Income generated	
		Communication of the Communica	_	
11.	Faculty serving in National committees b d) any other (please specify)	) International committees c)	Editorial Boards	
	Name of the Faculty	Name and details of the	ne committees	
	Dr. A. Srujana Paper reviewer of the Internation of			
	Dr. A. Srujana	Sussion Chair int Conference ICTIEE- 8th Jan 2020, Conduct Hyderabad	he Internation	
	Dr. D. B. G. Reddy	JNTUH-SCM Committee Member		
	Dr. C. N. Ravi	Reviewer for the following Journal of Engineering Education transformations (JEET)		
		2. Artificial Intellig 3. Journal of ambien and humanized com	ence in Medicina Lintelligence aputing	
12.	How many students have cleared Civil Ser GATE and other competitive examinations		examinations,	
	Name of the Student	Name and details of the	Examinations	
	P. Divyasree	00-4-1	15-2020	
	B. Vijay Kuonasa	PGECET-2020		
	G. Venkala Mazuthi Rap		15-2019	
	G. Ving Roddy	GRE TOFEL ILE	TS-2019	
	K. Tejaswini	ICET-2020		
13.	Faculty recharging strategies (Orientation programs)**	orograms, workshops, trainir	ng programs and	
	1. FDPs attended by the faculty  (i) National: 65  (ii) International: 01			
	2. Conferences attended  (i) National: O			

	3. Workshops attended (i) National: 」」					
	(ii) International: 0					
	(ii) International.					
	4. Short Term Training attended					
	(i) National: 05					
	(ii) International: o					
	**Attach a separate sheet for details					
14.	Student projects					
	Percentage of students who have done	e in-house projec	ets			
	including inter-departmental projects		987.			
	Percentage of students doing projects in collaboration					
	with other universities/industry/institute 2-/-					
15.	Awards/recognitions received at the na	ational and inter	national loyal by Facult	la v		
10.	5. Awards/recognitions received at the national and international level by Faculty Doctoral/post doctoral fellows Students					
	Name of the Award/Recognition	National/	Name of the	Faculty/		
	received	International	Faculty/Student	Student		
	But teacher award by	National National	DY C. N. Ravi DY S. Stva Pragad	Faculty		
	Reet Head of the Department	National	Dr.S. Stva Prosed	faculté		
	Faculty Guiding Research					
16.						
16.	From the host institution / university			-		

Number of Class Rooms With ICT Facilities	•
Number of Class Rooms Without ICT Facilities	-
Number of Tutorial Rooms	2
Room No  Name of the Lab  N306  Electrical Cixcuite Lab  N104  Rasic Simulation & Toole Lab  N302  Dectronic Devices and Circuite Lab  N003  Hectrical Machines - I Lab  N302  Dectronic Devices and Circuite Lab  N302  Dectronic Devices and Circuite Lab  N301  N301  Control systems & Simulation Lab  N301  Power Electronic & Simulation Lab  N301  Reol Electrical Measurements Lab  N104  Power & Therry Gystems Lab-II  N002  Power & Therry Systems Lab-II  N004  Rasic Electrical Engineering Cab  E314	I
Number of Research Laboratories  S.No. Name of the Research Laboratory  1 Power Systems and Energy Research Lab  2 Power Electronics & Drives Research  Lab	

Number of Softwares Available		
Name and details of the Software		
Matlab licensed Software		
PSPICE	10	
ETAP	15	
Number Of Computers In Student Laboratories	32	
Number Of Computers For Faculty And Office	5	
Books In Department Library		214
Internet Facilities		200MBPS

8
26
200000
25
75
YES

### 19. Quality Improvement

S.No	Parameter	Incharge	Status (YES/NO)	File Name/File No
a).	Minutes of the Department Meetings	P.Nagesson	a YES	EEEMOM
b).	Best practices implemented	B. Sudhakar	Reddy YES	EEE-BP
c).	Innovations by faculty/ students	A-Soilatha	YES	NBA-5.5
d).	Student Mentoring	S. Chailan	e YES	NBA-9
e).	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Dr. A. Srugar	a YES	EEE-SWOC

Course Files	with completion	n status	holes, selected			
II-Year			III-Yea	ır	IV-Ye	ear
Semester	Subject Name	Status (Y/N)	Subject Name	Status (Y/N)	Subject Name	Statu (Y/N
I	NA	YES	PE	YES	PSOC	YE
I	EMF	YES	HVE	YES	cmps	YE
エ	EM-I	YES	PS-II	YES	EDS	YES
I	Eclab	YES	EM-ILLab	YES	EEC	YES
I	BSTLab	YES	cestab	YES	EMlab	YE
<u>II</u>	PS-I	YES	EMMI	YES	UEE	YE
Tr	EM-II	YES	PSD	YES	EHVAC	YES
II	CS	YES	SGP	YES	HVDC	YE
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					140 T 30	
			,			
	1 (0.5)=38.5		0-4-00-01-	1247/	6 6 23 3	APER
		4 30 1			137.774	
				E. Lad	- Service	
		/>Data	71.01			
		N. E.	N. S.		7	
Cominou Duo	sentation Details					

1	-1	Seminar Fresenta	ation Details		
Review Date Semi		Review Date	Seminar Batches	Faculty In charges	
		17.06.2020	A1, A2, A3, A4, A5, A6, A7, A8, A9, A10	D. Soini Vas P. Vaishira	evi
		18-06-2020	A11, A12, A12, A14, A15, A16, A17, A18	K. Rajeer, K. Haritha	
		19.06.2020	B1, B2, B3, B4, B5, B6, R7, B8, B9	K-Swapna, Ch. Vilora	M
		20.06.2020	B10, B11, B12, B13, B14, B15, B16	L. Raju, P. Muneund	ra
			B17, B18, R19	3	

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22	Manitania de T				
22	Monitoring the E	Evaluation Process of Mini-Projects			
	Review Date	Project Batches	Faculty Incharges		
	17-02-2020	A1, A2, A3, A4, A5, A6, A7, A8	B. Rajesh		
	17-02-2020	A9, A10, A11, A12, A13, A14, A15, A16	B. SudhakarRedd		
	18-02-2020	B1, B2, B3, B4, B5, B6, B7	Dx.C.N.Rani		
	18-02-2020	138, 139, 1810, 1811, 1812, 1813	B. Sudhallar Redly		
23	Monitoring the Evaluation Process of Major-Projects				
	Review Date	Project Batches	Faculty Incharges		
	27-02-2020	A1, A2, A3, A4, A5, A6, A7, A8	R. Rajesh		
1	27-02-2020	A9, A10, A11, A12, A13, A14, A15, A16	B. Sidhalian Reddy		
	29-02-2020	B1, B2, B3, B4, B5, B6, B7	D&.C.N. Ravi		
	29-02-2020	B8, B9, B10, B11, B12, B13	B. Sudhallar Reday		

COMMENTS OF THE AUDITORS:

2) suggested all the faculty niembers to signistes 2) suggested the separtment to get consultancey. 3) student paper publications heed to improve. 4) student placements in cose company need to improve.

Auditors	Signature
Auditor-1 ·	Λ
Name: Q. M. N. RAD	N.
Designation: & June	1910
Department:	
Designation: Rojma Department: Date: 9/6/2000 1T-Dep	
Auditor-2	
Name: Ur. Kickamen Dasu	
Designation: Roterson	
Department: CSS	Kanh
Auditor-2 Name: Designation: Department: Date:  \$\langle \langle \lang	
Auditor-3	
Name: Dr. M. Arand	126
Designation: Profess	
Department: Physis	( )
Designation: Professor Department: Physics Date: 8-6-2020	



# Vidya Jyothi Institute of Technology (An Autonomous Institution) (Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH) Aziznagar Gaie, C.B. Post, Hyderabad-500 075

#### **EXTERNAL ACADEMIC AUDIT**

(2019 - 20)

1.	Name of the Department EEE			
2.	Year of Establ	ishment	1999	
3.	Names of Pro	grammes offered (Mention with Inta	ke) Electrical	and Electronia 19 120
4.	A) Number	of Teachers		
		Designation	Existing	
		Professor	5	
		Associate Professors	8	
		Asst. Professors	19	
		Others	<del>-</del>	
	B) Teaching	Experience of the Faculty in the Inst	titute	
		Tenure	No. of Teachers	
		More than 5 Years	17	
		More than 3 Years	9	
	X 100	Between 2 to 3 Years	2	
		Between 1 to 2 Tears	4	
		Below 1 Year	0	
	Student Tead	cher Ratio		1:12.85
	Number of faculty having Ph.D			5

6.	Grants/Funds Received for Research/FDPs/STTPs/Workshops etc.  I. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR								
				AR					
		<ul><li>a). Number of Research Grants only:</li><li>b). Number of Faculty Development Grants:</li></ul>							
			ment Grants:						
		c). Research Grants received: d). Faculty Development Grants received :							
	Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/		Purpose of the Grant Research/ FDP/ STTP/ Workshop	Funds/Gran received (INR in lakh	(National			
	AICTE	GOVT agency	Dr.C.N. Ravi		2.71	National			
		- 120 m							
)		P. Carlotte	REALTH .						
	II. ONGOING PROJE	CTS							
77	Cassial assessable leb		1.1	1					
7.	Special research lab by industry or corpo	orate bodies	by / create	ed	-				
8.	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	Publications (List is to be attached)							
	Number of Papers p		24						
	Number of Papers p		8						
		Number of Books with ISBN							
	Average Citation Inc		6						
	Average Impact Fact		0						
	h-index		2						
9.	Details of patents				01				
-	Name of the Faculty		Topic Obtain Publis File			Product			
		Since State of the							
					_				

10. Areas of consultancy and income generated

Areas of consultancy	Income generated
	<del>-</del>

11. Faculty serving in National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of the Faculty	Name and details of the committees
Dr. A. Srujana	Paper reviewer of the International Conference ICTIEE-2020 on 5th & 0 8th 2020 Conducted at Anurag University, Hyderabad
Dr.A. Srujana	Session Chair in the International Conference ICTIEE-2020 on 5th to 8th Jan 2020 Conducted at Anurag University, Hyderabad.
Dr. D. B. G. Reddy	JNTUH-SCM Committee member
Dr. C.N. Ravi	Reviewer for the following Journals  1. Journal of Engineering Education Transformations (TEET)  2. Artificial Intelligence in Medicine
	3. Townal of Ambient Intelligence and Humanized Computing 4. Microprocessors and Microsystems

12. How many students have cleared Civil Services and Defense Services examinations, GATE and other competitive examinations

Name of the Student	Name and details of the Examinations
P. Divya Sree	GRE/TOFEL/ILETS-2020
B. Vijay Kumar	PGECET-2020
G. Venkata Maruthi Rao	GRE/TOFEL/ILETS-2019
G. Vinay Reddy	GRE/TOFEL/ILETS-2019
K. Tejaswini	ICET-2020
V	

13.	Faculty recharging strategies (Orientation programs, workshops, training programs and similar programs)**					
	1. FDPs attended by the faculty (i) National: 65 (ii) International: 01					
	2. Conferences attended  (i) National: 0    (ii) International: 0%					
	3. Workshops attended  (i) National: 15  (ii) International: 0					
	4. Short Term Training attended  (i) National: 05  (ii) International: 0	i piograms	XI.S.			
	**Attach a separate sheet for details					
14.	Student projects  Percentage of students who have done in including inter-departmental projects	n-house projec	ts	98%		
	Percentage of students doing projects in collaboration with other universities/industry/institute			2%.		
15.	Awards/recognitions received at the nati	onal and interi	nation	al level by Facul	ty	
	Doctoral/post doctoral fellows Students  Name and Details of the  Award/Recognition received	National/ Internationa		Name of the aculty/Student	Faculty/ Student	
	But Teacher award by ESN Award, India	National	D	r.C.N.Ravi	faculty	
	Best Head of the Department by ESN Award, India	National	Dx	r.s.siva Prasad	faculty	
16.	Faculty Guiding Research					
	Faculty Guiding Research			tered This Year	Active	
	From the host institution / university		-		-	
	From other institutions / universities		-		5	

	ructure And Laboratory Details: ber of Class Rooms With ICT Facilities		_	
	ber of Class Rooms With ICT Facilities ber of Class Rooms Without ICT Faciliti	00	7	
	ber of Tutorial Rooms	es	2	
	ber of Student Laboratories With Name	s and Stock Verification	12	
Nulli	ber of Student Laboratories With Name	s and stock vernication	12	
	Room Name of the I	NSW 2831		
	N306 Electrical Circuit	Lab		
	N104 Basic Simulation &	roole Lat		
	NOOI Electrical Machines	s-I Lab		
	N302 Electronic Devices and circuite lab			
	NOO3 Electrical Machines	-II Lab		
	N301 Control Systems & SPM	sulation Lab		
	NIO2 Power Electronia & S			
	N301 Electrical Measur	pente lab		
	N104 PowerEnergy Systems lab-I			
	Noo2 Power & Energy Systems lab-II			
	Nooyk Basic Electrical Ma Engineering Lab			
Num	Number of Research Laboratories			
	S.No Name of the Research Laboratory			
	1. Power systems and En Laboratory  2. Powert lectronics a	ergy Research		
	2. Powert ectronics a	nd Drives Research		
	the care of			
Num	nber of Softwares Available			
Nan	ne and details of the Software	No of Users		
Mat la	b Licensed Software	20		
MASAM PSPICE 10				
	KEIDHVISION ETAP 15			
MBED COMPILER -				
	XILINX TOOLS VERSION 7.1I – TINA SOFTWARE –			
	SOFT WARE  NX VIVADO SOFTWARE	-		
	Number Of Computers In Student Laboratories		32	
	nber Of Computers In Student Laborator		5	
	s In Department Library		214	
	enet Facilities		200MB	

Placement Activities:	
No. of companies Visited	8
No. of Placements offered	26
Average Salary offered	300000
Off campus placements (%)	25
On campus Placements (%)	75
Existence of training & Placement Office in the Institute:	YES

19. Quality Improvement

S.No	Parameter	Status (YES/NO)	File Name/File No
a).	Minutes of the Department Meetings	YES	EEEMOM
b).	Best practices implemented	YES	ELEE-BP
c).	Innovations by faculty/ students	YES	NRA -5.5
d).	Student Mentoring	YES	NBA-9
e).	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	YES	EEE-SWOC

1). Suggested sensel sould menter to apply Funded proseds by yout again.
2). Suggested sensel beauth menter to apply probab.
3). All the M. Tech textully menter are to be excurreged to again to be supposed along with perhaps.
4). Should placements In one companies are to be surposed along with perhaps.
5) Suggest to are conting to GLATE | PSU

Auditors	Signature
Auditor-1 Md. Guthybieddin	
	1.0
Name: Designation: Assoc Prol, pept of EEE, TKPCET, Hyd	4 de Gubterburder
Department:	7
Date: 24/6/2020.	
Auditor-2	
Name: G. Srinivasa Kap	
Auditor-2 Name: G. Srini vala Rap Designation: Associate profesor, CMRCET, HYD Department: EEE	(2 25
Department: EEE	(0000
Date: 24-06-2019	
Auditor-3	
Name: M. Dileep Kumar	$\sim 0$ .
Designation: Associate protessor, St. peters Engy collye Department: EEE	(Del non)
Department: EEE	The state of the s
Date: 24,06.2020.	